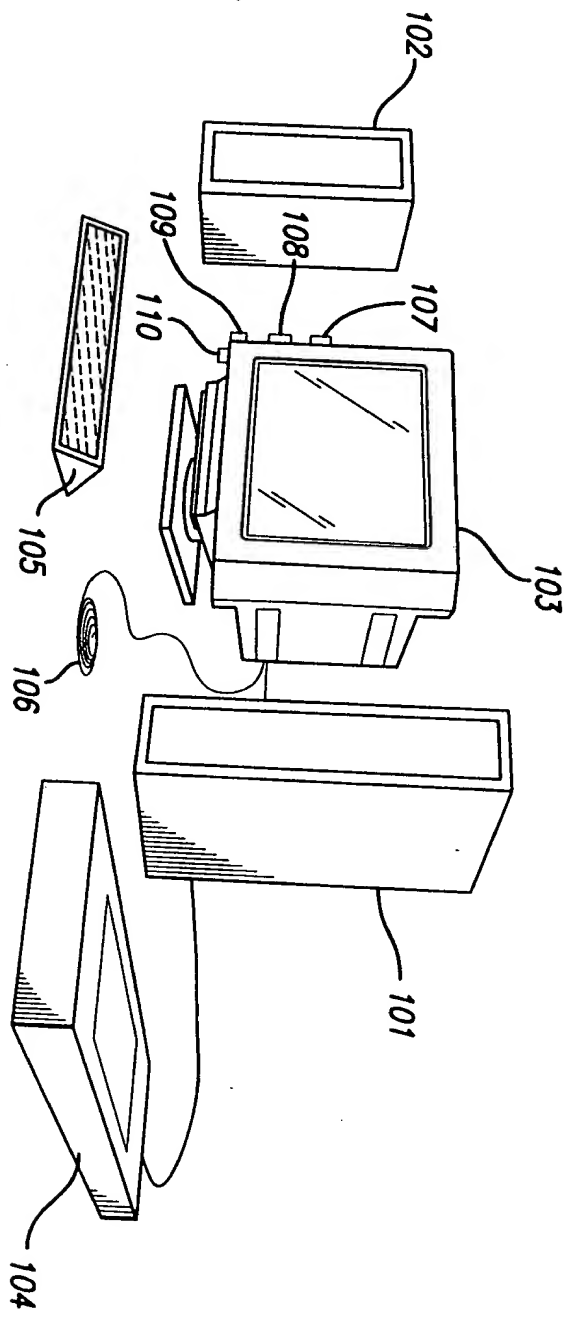


FIG. 1



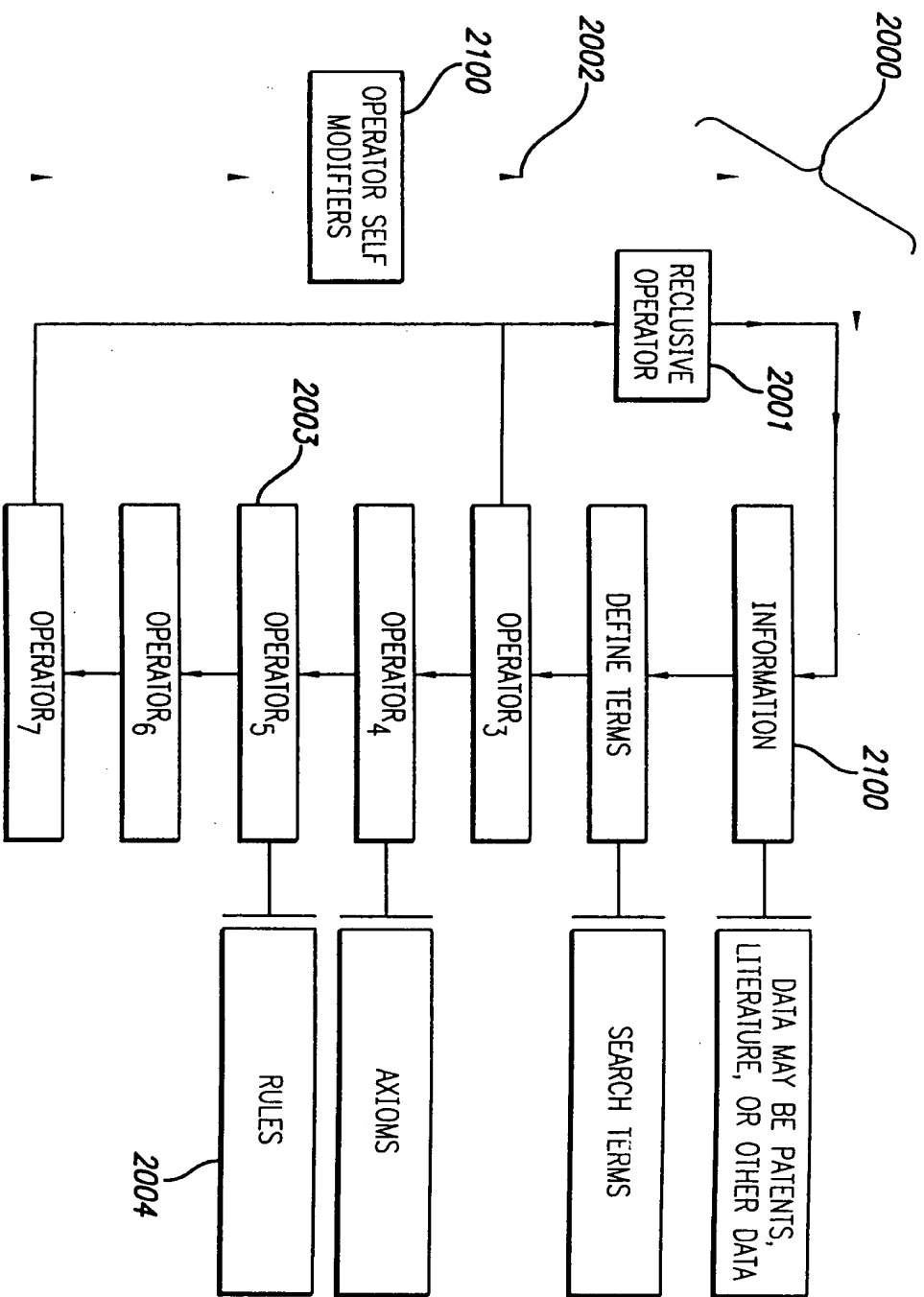
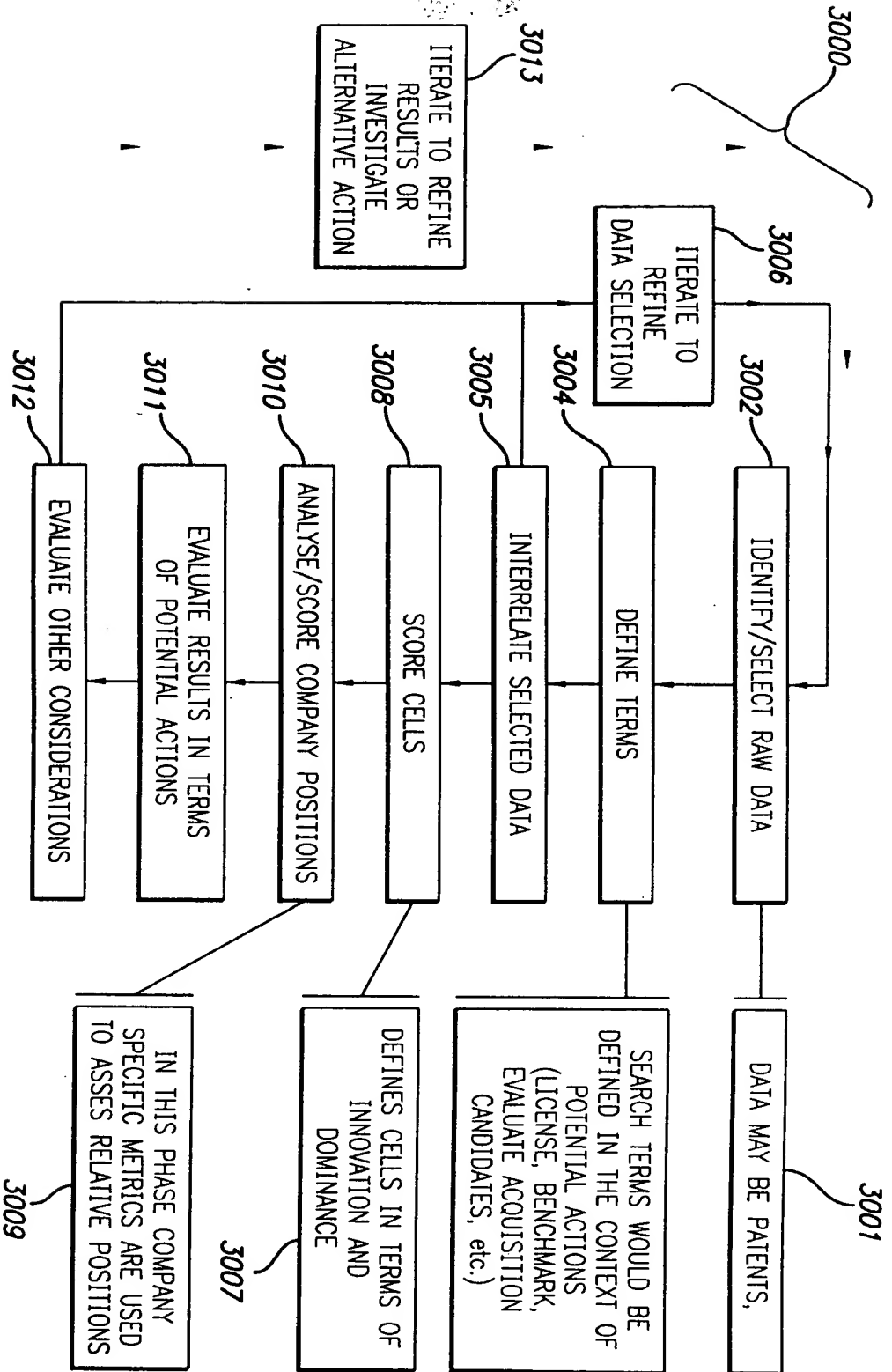


FIG. 2

FIG. 3



AN EXAMPLE OF SOURCE DATA
INFRARED TECHNOLOGY

FIG. 4

INFRARED TECHNOLOGY

FIG. 4

OBJECTS 4001

		01	02	03	04	05	06
ACTIONS 4015 4014	4002	PHOTORECEPTOR OR PHOTO-RECEPTOR 4005	DIGITAL IMAGE 4009	DIGITAL SCAN 4010	REMOTE NETWORK OR WIRELESS NETWORK 4011	THERMAL IMAGE 4012	OPTIC ALIGN 4013
		2969	5004	775	1224	1672	5278
		4006	4059	4060	4061	4061	4063
		4008 4003	4004	1	1	18	22
4007	A NEAR INFRARED 4064	12	9		4061		
		1681	4072		1		
		550	0	0	0	3	12
4008	B FAR INFRARED	0	4072				
		550	0				
4009	C INFRARED	4065	4072	20	34	263	249
		62	87				
21604		4071					

4082

4081

FIG. 5

INITIAL DEFINITIONS

SEARCH TERM-A STRING OF TEXT TO BE FOUND WITHIN THE TEXT OR CLAIMS OF DESIRED PATENTS.
 SEARCH TERMS CAN BE CLASSIFIED AS EITHER "ACTION" OR "OBJECT."
 SEVERAL RELATED ACTION SEARCH TERMS MAY BE COMBINED TO REFLECT A SINGLE ACTION.
 CELL-A CROSS SECTION OF SEARCH TERMS (ACTION X OBJECT).
 CELLS ARE GIVEN A REFERENCE CODE (e.g. A01) TO DEPICT THE COMBINATION OF SOURCE SEARCH TERMS.
 THE REFERENCE CODE MAY BE FOLLOWED BY A C OR T TO NOTE THAT THE SEARCH TERMS WERE FOUND
 WITHIN THE TEXT OR CLAIMS OF THE INCLUDED PATENTS.
 CLUSTER-A GROUP OF NATURALLY RELATED CELLS.
 FIELD-A PATENT LANDSCAPE DEFINED BY THE COMPOSITE OF ALL CELLS.

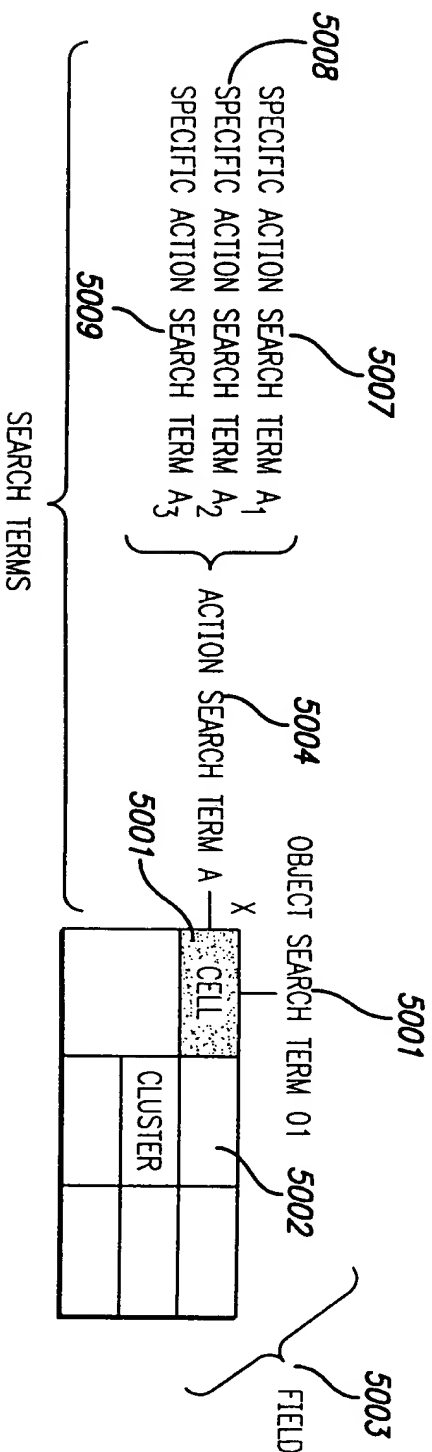
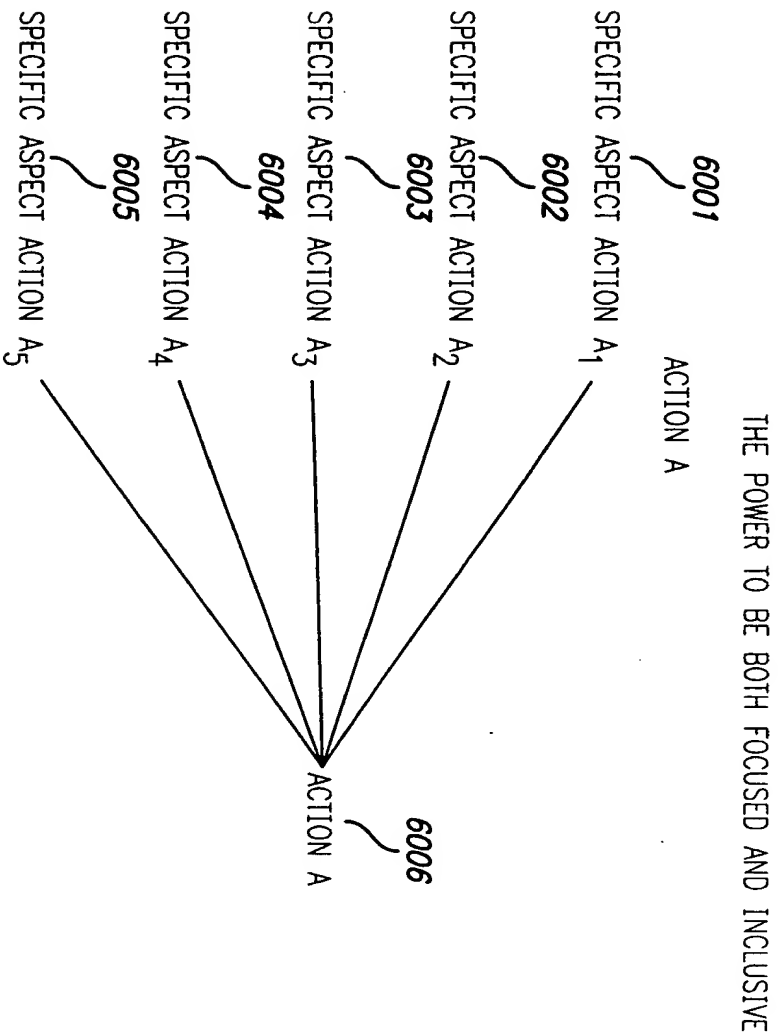


FIG. 6



*PATENTS IDENTIFIED IN ANY OF THESE SPECIFIC TERMS ARE ROLLED INTO ONE ACTION DATA SET.

FIG. 7-1

PATENT CROSS TAB REPORT

7001		7002	7003		7004	7005		7006		7007	7008 7009 7010					
ASSIGNEE	DOCUMENT D	TITLE	ISSUED	DOCUMENT TYPE	HITS	WEIGHTED HITS	WEIGHTED ACTION	C01	C02	C03	C04	C05	C06			
OBJECT WEIGHTS								1	1	2	1	1	3			
	7011															
HE HOLDINGS	6025595	SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	2/15/00	US	3	4	2	1	1			1				
RAYTHEON	WO 98/35496	SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	8/13/98	PCT	3	4	3	1	1			1				
RAYTHEON	WO 98/35497	SPRITE THERMAL IMAGING SYSTEM	8/13/98	PCT	3	4	4	1	1			1				
HE HOLDINGS	5739531	SPRITE THERMAL IMAGING SYSTEM	4/14/98	US	3	4	3		1	1		1				
UNITED STATES OF AMERICA	4470816	THERMAL SIGHT TRAINER	9/11/84	US	3	5	3		1			1	1			
LIU, ZHONG QI	6023637	METHOD AND APPARATUS FOR THERMAL RADIATION IMAGING	2/8/00	US	2	4	3		1	1						

FIG. 7-2

EMPRESA NACIONAL BAZAN DE CON- STRUCCIONES NAVAL MILITARIES	EP 0 611 242 B1	A SYSTEM FOR THE MONITORING AND DETECTION OF HEAT SOURCES IN OPEN AREAS	10/20/99	EP-B	2	4	2	1				1
OMNICORDER TECHNOLOGIES	5961466	MEHTOD OF DETECTION OF CANCEROUS LESIONS BY THEIR EFFECT ON THE SPATIAL DISTRIBUTION OF MODULATION OF TEMPERATURE AND HOMOGENEITY OF TISSUE	10/5/99	US	2	1	2	1			1	
MASSA- CHUSETTES INSTITUTE OF TECHNOLOGY	5909244	REAL TIME ADAPTIVE DIGITAL IMAGE PROCESSING FOR DYNAMIC RANGE REMAPPING OF IMAGERY INCLUDING LOW-LIGHT-LEVEL VISIBLE IMAGERY	6/1/99	US	2	1	1	1			1	

VACHTSEVANOS, GEORGE J.	5815198	METHOD AND APPARATUS FOR ANALYZING AN IMAGE TO DETECT AND IDENTIFY DEFECTS	9/29/98	US	2	4	1	1	1										
UNITED STATES OF AMERICA	5756990	SIMPLIFIED SIMULATION OF EFFECTS OF TURBULENCE ON DIGITAL IMAGERY	5/26/98	US	2	1	4	1											
HUGHES ELECTRONICS	5737119	THERMAL IMAGING DEVICE	4/7/98	US	2	4	2											1	1
HUGHES ELECTRONICS	5673143	THERMAL IMAGING DEVICE WITH SELECTIVELY REPLACEABLE TELESCOPIC LENSES AND AUTOMATIC LENS IDENTIFICATION	9/30/97	US	2	4	2											1	1
EASTMAN KODAK	5668596	DIGITAL IMAGING DEVICE OPTIMIZED FOR COLOR PERFORMANCE	9/16/97	US	2	3	2												
HE HOLDINGS DBA HUGHES ELECTRONICS	EP 0 762 173 A2	THERMAL IMAGING DEVICE	3/12/97	EP-A	2	4	1											1	1

FIG. 7-3

8001

8021

8022

8023 8024

8025

8026

ASSIGNEE ROLLUP

FIG. 8A-1

RANK	ASSIGNEE	HITS	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTION	RC C01	RC C02	RC C03	RC C04	RC C05	RC C06	RC C06
	8002 PATENTS							62	87	20	34	263	249	
	8003 ISSUED PATENTS							49	65	17	23	206	222	
	8004 APPLIED PATENTS							13	22	3	11	57	27	
	8005 RECENT PATENTS							16	33	10	11	55	40	
	8006 ISSUED RECENT PATENTS							14	22	7	7	44	34	
	8007 APPLIED RECENT PATENTS							2	11	3	4	11	6	
	8008 DOMINANCE							0.48	0.26	0.20	0.44	0.48	0.40	
	8009 RECENT DOMINANCE							0.44	0.18	0.20	0.18	0.27	0.28	
	8010 ISSUED INNOVATION FACTOR 4							0.33	0.62	0.69	1.29	0.10	0.17	
	8011 APPLIED INNOVATION FACTOR 4							0.64	0.87	0.33	0.50	-0.02	0.19	

[illegible]

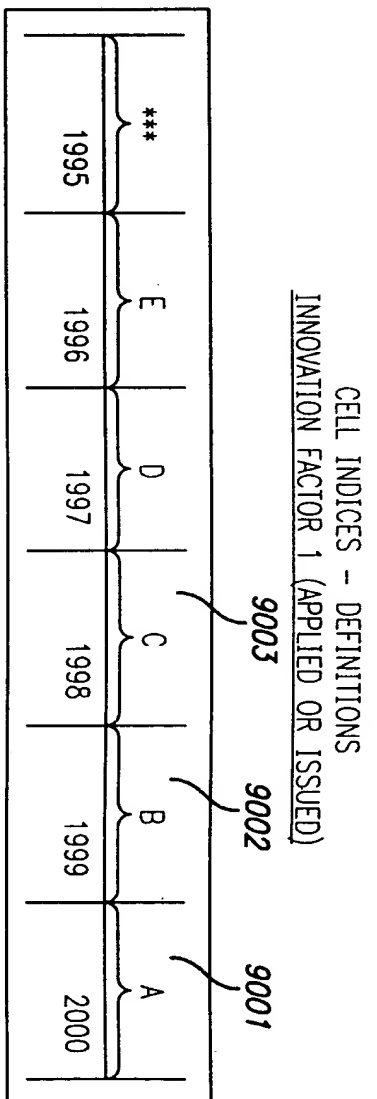
FIG. 8A-2

HITS	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTIONS
43	42	4	4	48	5
34	31	3	2	39	7
20	20	3	3	26	4
18	18	4	4	22	9
17	17	2	2	21	11
16	16	2	2	22	4
16	13	3	2	14	12
15	11	12	8	18	5
14	13	1	1	16	9
12	12			14	15
12	12	5	5	15	2
12	12	5	5	12	8
12	12	1	1	15	1
10	10			11	3
10	10	3	1	14	5

8021
8022
8023
8024
8025
8026

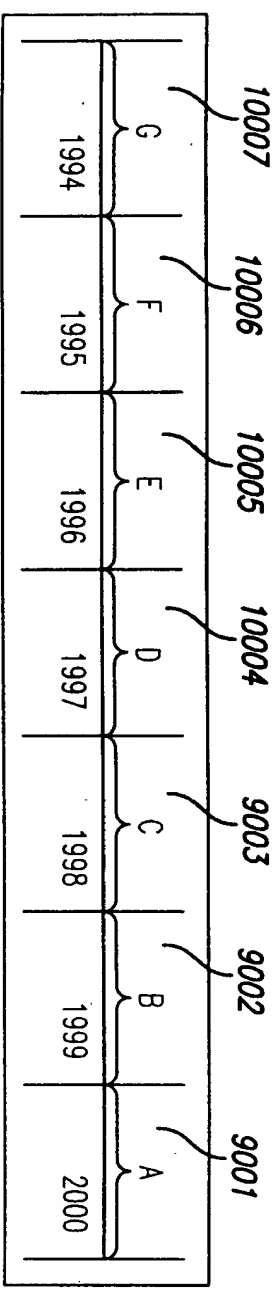
[illegible]

FIG. 9



$$\text{INNOVATION FACTOR } 9002 = \frac{A}{(B+C)/2} \quad \text{--- INNOVATION FACTOR } 9001$$

CELL INDICES - DEFINITIONS
INNOVATION FACTOR 4 (APPLIED OR ISSUED)



INNOVATION FACTOR 4 =

$$\text{INNOVATION FACTOR 4} = \left[\frac{(A-B)}{B} \times 6 + \left[\frac{(B-C)}{C} \times 5 + \left[\frac{(C-D)}{D} \times 4 + \left[\frac{(D-E)}{E} \times 3 + \left[\frac{(E-F)}{F} \times 2 + \left[\frac{(F-G)}{G} \times 1 \right] \right] \right] \right] \right] \right] \times 21$$

10012 --- 10011 10013 10014 21 10017 10015 10016 10017

FIG. 10

CELL SELECTION MATRIX

CELL SELECTION INDEX IS CALCULATED FOR EACH CELL BASED ON THE IMPLIED
SUITABILITY FOR JOINT VENTURES OR INTERNAL DEVELOPMENT:

FIG. 11

	01 PHOTORECEPTOR OR PHOTO-RECEPTOR	02 DIGITAL IMAGE	03 DIGITAL SCAN	04 REMOTE NETWORK OR WIRELESS NETWORK	05 THERMAL IMAGE	06 OPTIC ALIGN
A LICENSE	4	4	1.25	1.25	6	0
B LICENSE					0	14
C LICENSE	20	15	5	10.5	1.75	3.5
A DEVELOP	16	6	1.25	1.25	14	0
B DEVELOP					0	6
C DEVELOP	5	15	7.5	7	0.75	1.5

11001

11002

CELL SELECTION INDEX

12003		INNOVATION	DOMINANCE
LICENSE	12002	↓	↓
DEVELOP		↓	↓
12005		12001	12004

FIG. 12

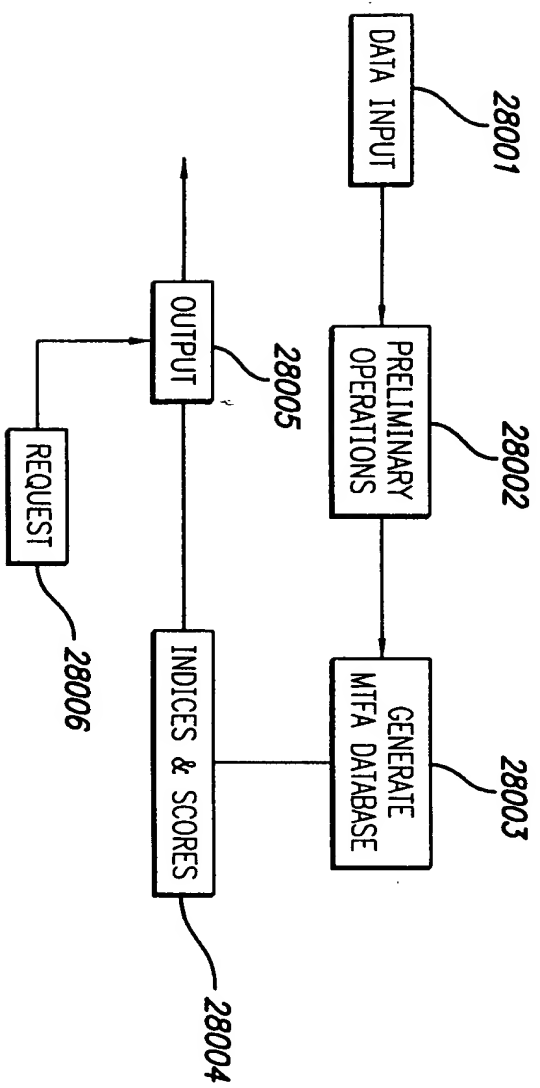
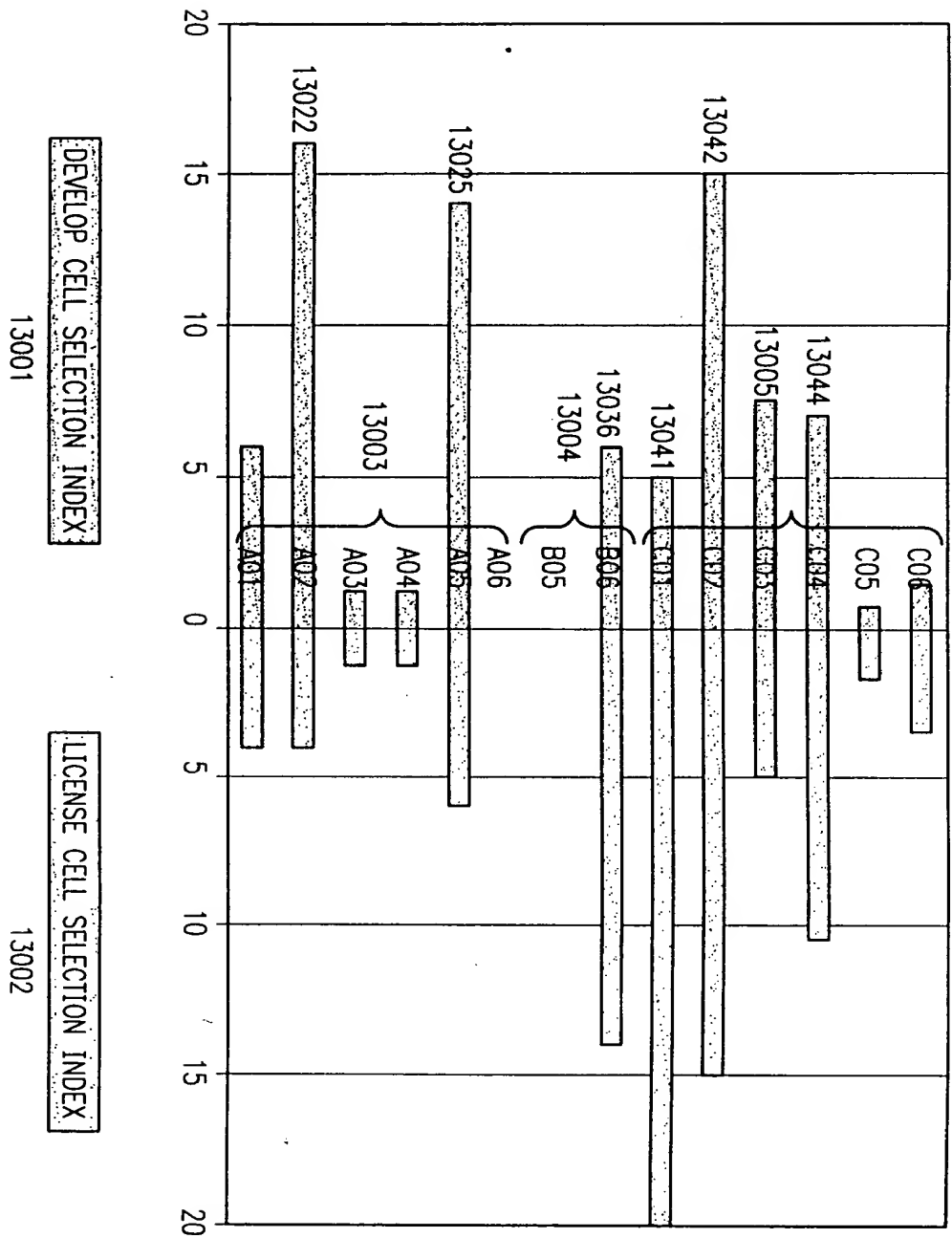


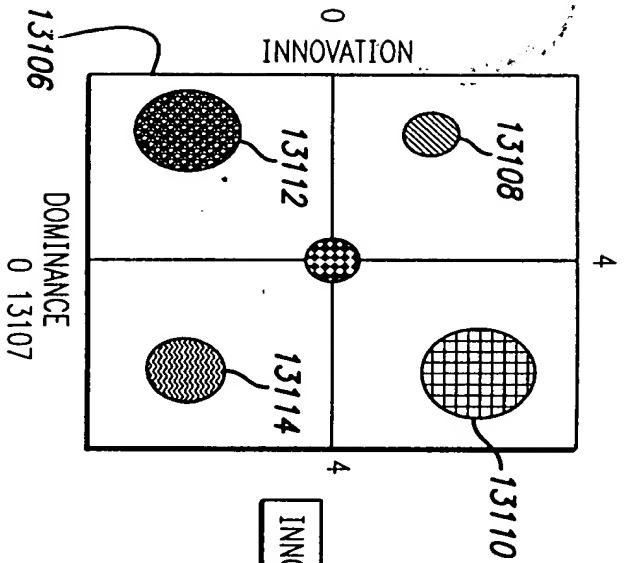
FIG. 28

FIG. 13A

CELL SELECTION MATRIX



CELL SELECTION SCORE - BUBBLE CHART



DOMINANCE	
LOW	HIGH
<div>INNOVATION</div> <div>HIGH</div> <div><ul style="list-style-type: none">- CONSIDER DEVELOPMENT OPTIONS- BROAD INTEREST IN A FIELD- MARKET IS SEARCHING FOR A "STANDARD"<div>13109</div></div>	<div><ul style="list-style-type: none">- CONSIDER PARTNERSHIP OR LICENSING OPPORTUNITIES- "STANDARD" HOLDERS ARE FORTIFYING/DIFFERENTIATING THEIR ESTATES<div>13111</div></div>
<div>LOW</div> <div><ul style="list-style-type: none">- PATENTS BY INDIVIDUALS- LITTLE CURRENT EXPLORATION- TECHNOLOGY IS UNDER DEVELOPED<div>13113</div></div>	<div><ul style="list-style-type: none">- MARKET HAS FOUND A "STANDARD"- TECHNOLOGY IS MATURE- MAY INDICATE OBSOLESCENCE<div>13115</div></div>

FIG. 13B

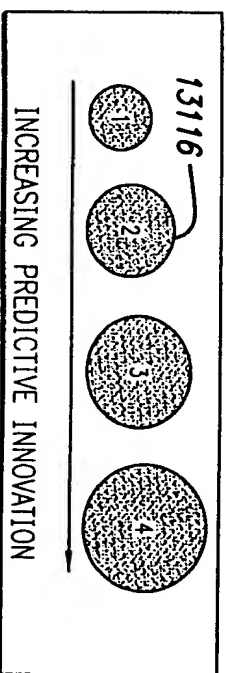


FIG. 14

ASSIGNEE COMPOSITE SCORE

RANK	ASSIGNEE	ASSIGNEE COMPOSITE SCORE					
		14003	14004	14005	14006	14007	14008
		PHOTORECEPTOR OR PHOTO-RECEPTOR	DIGITAL IMAGE	DIGITAL SCAN	REMOTE NETWORK OR WIRELESS NETWORK	THERMAL IMAGE	OPTIC ALIGN
1	A	61.4	46.1	5.1	0.0	59.0	25.0
2	B	0.0	55.4	0.0	0.0	26.4	80.6
3	C	0.0	30.0	0.0	31.5	28.0	7.0
4	D	400.0	0.0	10.0	0.0	0.0	0.0
5	E	40.0	30.0	0.0	0.0	26.3	0.0
6	F	0.0	15.0	0.0	147.0	0.0	10.5
7	G	0.0	18.5	0.0	0.0	26.8	26.8
8	H	0.0	147.3	28.6	0.0	30.1	20.0
9	I	0.0	0.0	0.0	0.0	5.7	45.0
10	J	0.0	0.0	0.0	0.0	3.5	35.0
11	K	0.0	0.0	0.0	0.0	0.0	59.5
12	L	260.0	0.0	0.0	0.0	7.0	0.0
13	M	0.0	45.0	0.0	0.0	14.0	7.0
14	N	0.0	0.0	0.0	0.0	1.8	31.5
15	O	0.0	0.0	0.0	10.5	21.0	0.0

FIG. 15A

ASSIGNEE COMPOSITE SCORE

RANK	ASSIGNEE	ASSIGNEE COMPOSITE SCORE					
		14003	14004	14005	14006	14007	14008
		PHOTORECEPTOR OR PHOTO-RECEPTOR	DIGITAL IMAGE	DIGITAL SCAN	REMOTE NETWORK OR WIRELESS NETWORK	THERMAL IMAGE	OPTIC ALIGN
1	A	15.4	25.6	8.5	0.0	100.0	31.0
2	B	0.0	30.8	0.0	0.0	44.7	100.0
3	C	0.0	16.7	0.0	21.4	47.5	8.7
4	D	100.0	0.0	16.7	0.0	0.0	0.0
5	E	10.0	16.7	0.0	0.0	44.5	0.0
6	F	0.0	8.3	0.0	100.0	0.0	13.0
7	G	0.0	10.3	0.0	0.0	45.4	33.2
8	H	0.0	81.8	47.7	0.0	51.0	24.9
9	I	0.0	0.0	0.0	0.0	9.6	55.8
10	J	0.0	0.0	0.0	0.0	5.9	43.4
11	K	0.0	0.0	0.0	0.0	0.0	73.8
12	L	65.0	0.0	0.0	0.0	11.9	0.0
13	M	0.0	25.0	0.0	0.0	23.7	8.7
14	N	0.0	0.0	0.0	0.0	3.0	39.1
15	O	0.0	0.0	0.0	7.1	35.6	0.0

FIG. 15B

ASSIGNEE COMPOSITE SCORE

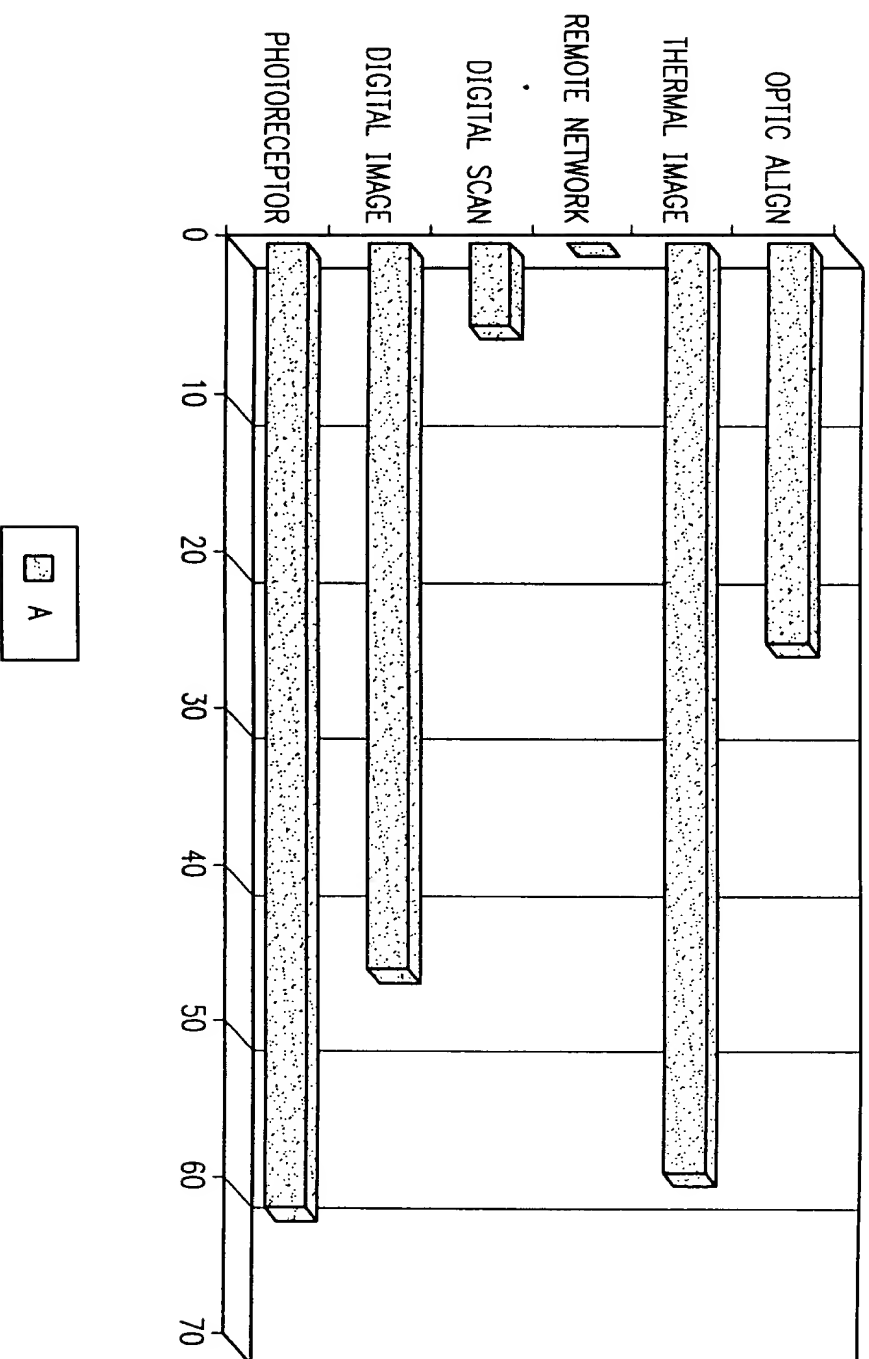


FIG. 15C

ASSIGNEE COMPOSITE SCORE

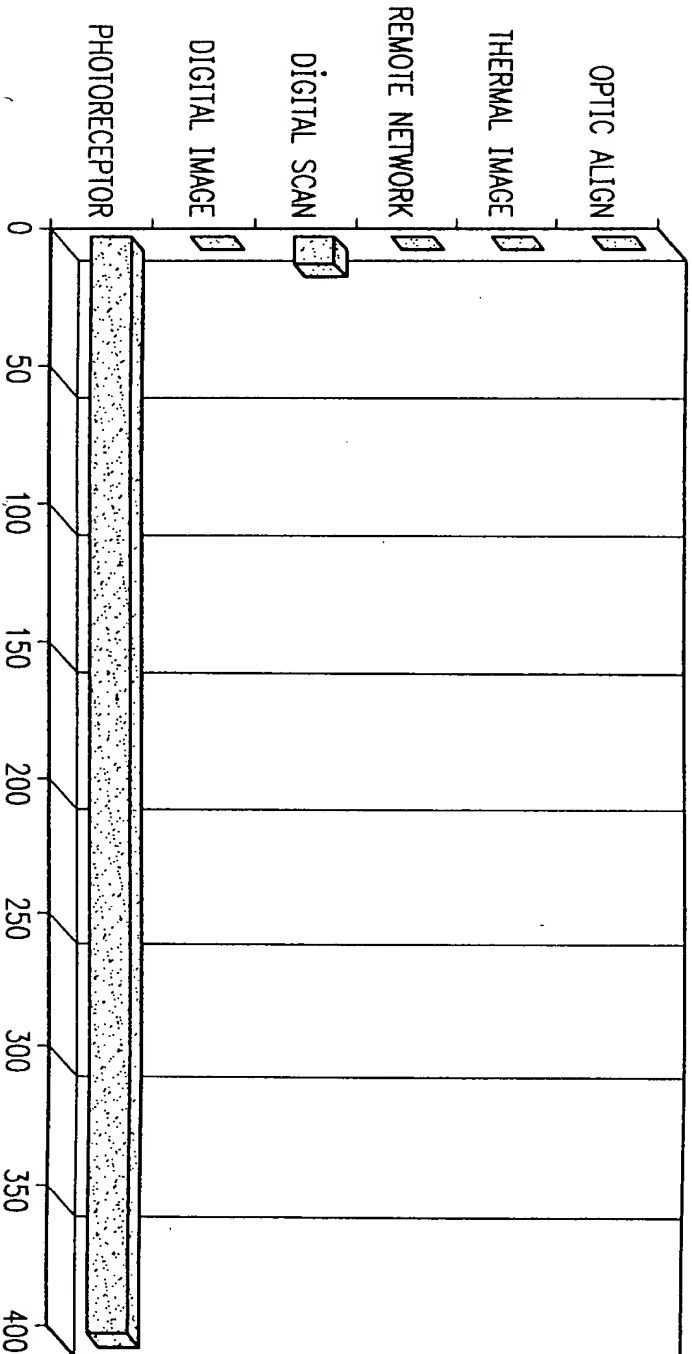


FIG. 15D

ASSIGNEE COMPOSITE SCORE

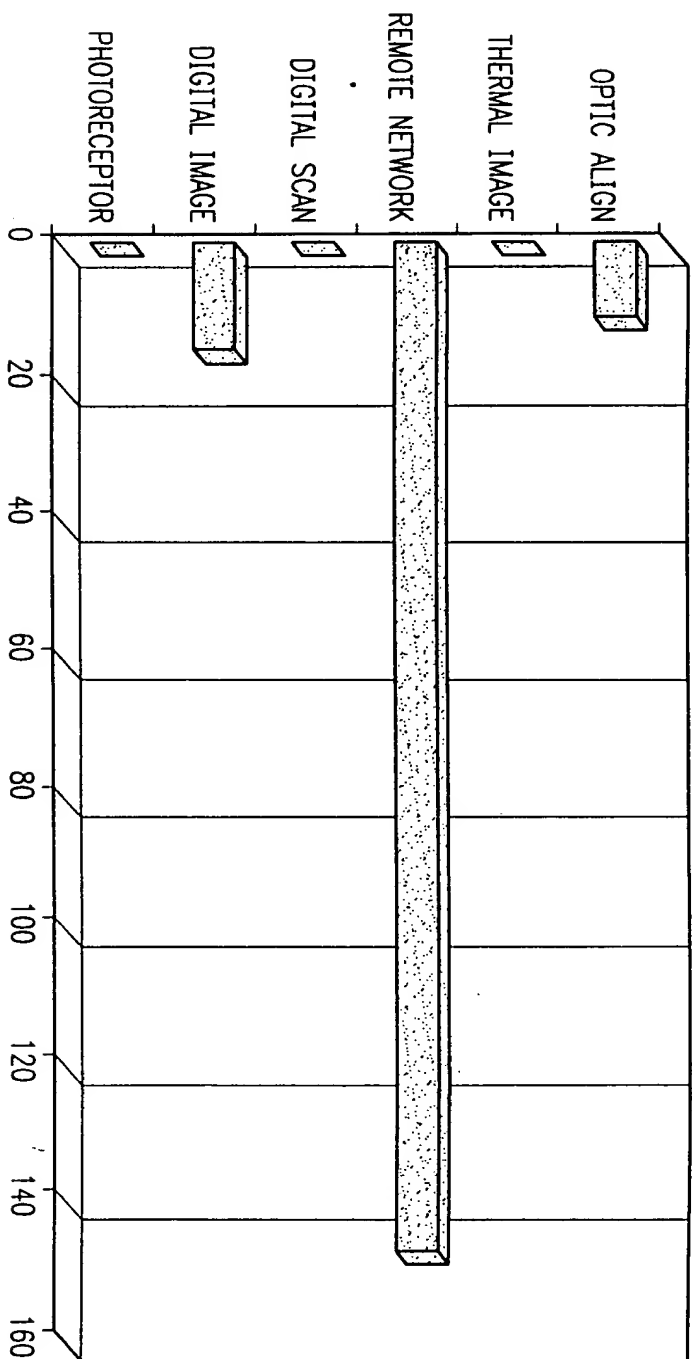




FIG. 15E

ASSIGNEE COMPOSITE SCORE

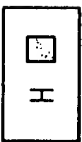
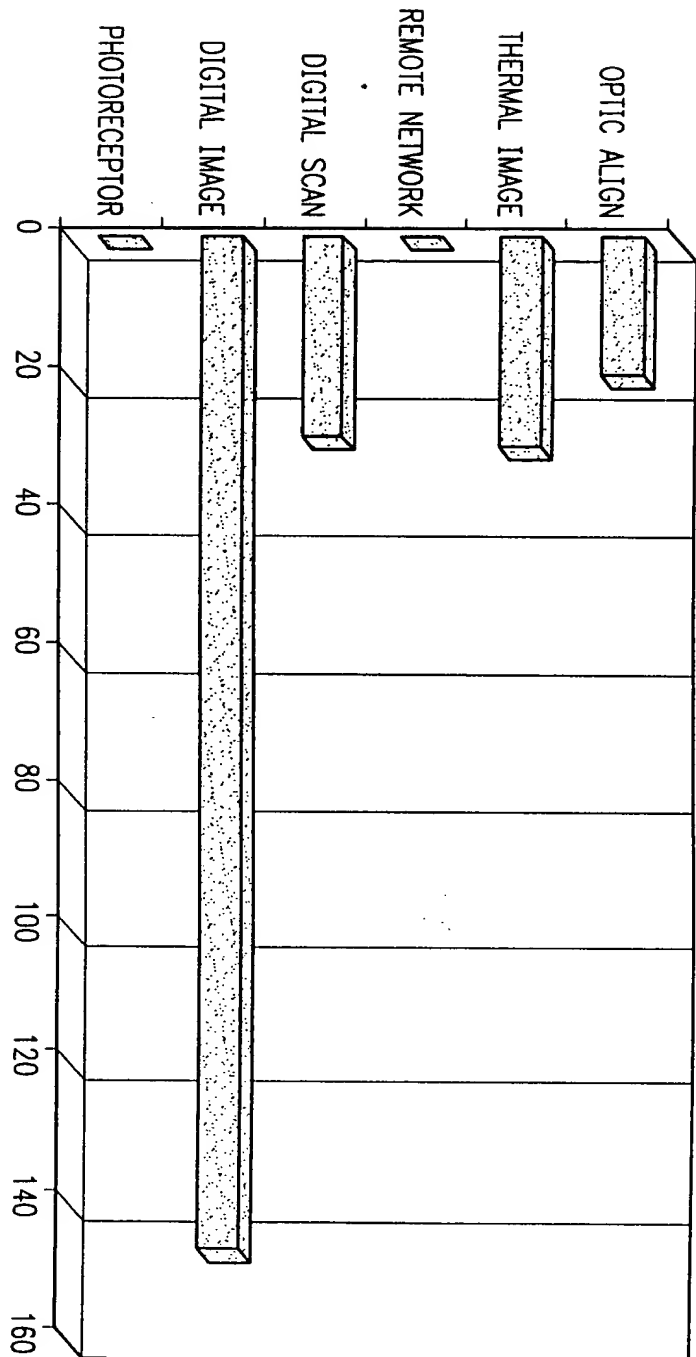
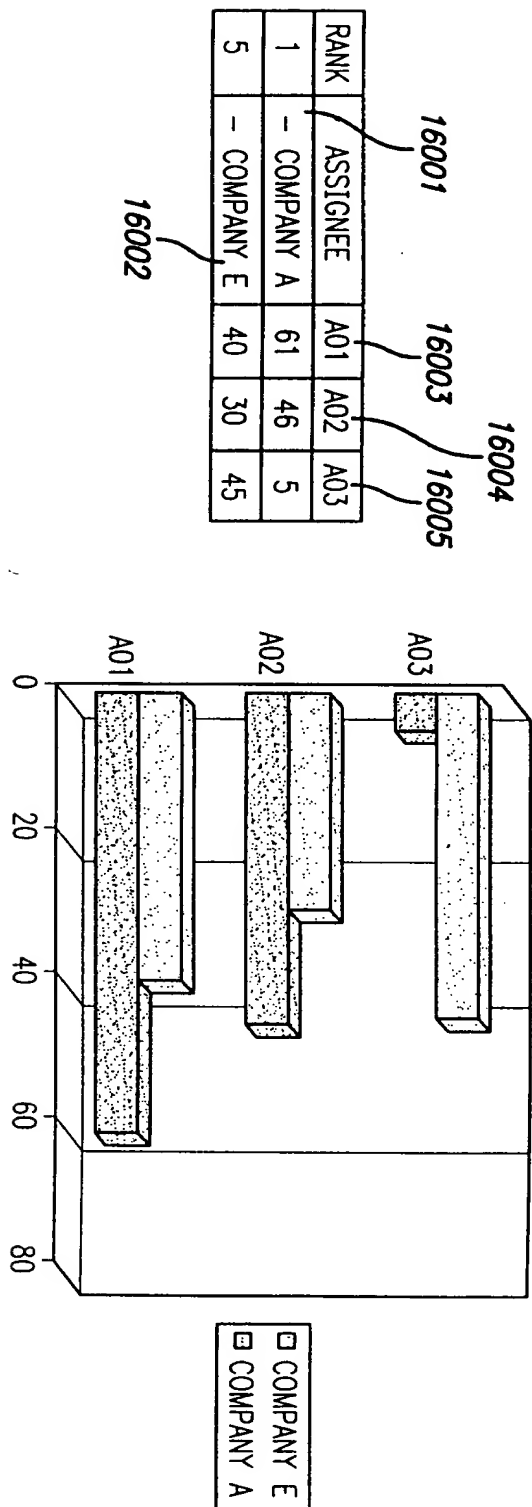


FIG. 16

GRAPHICAL REPRESENTATION OF ASSIGNEE COMPOSITE SCORE



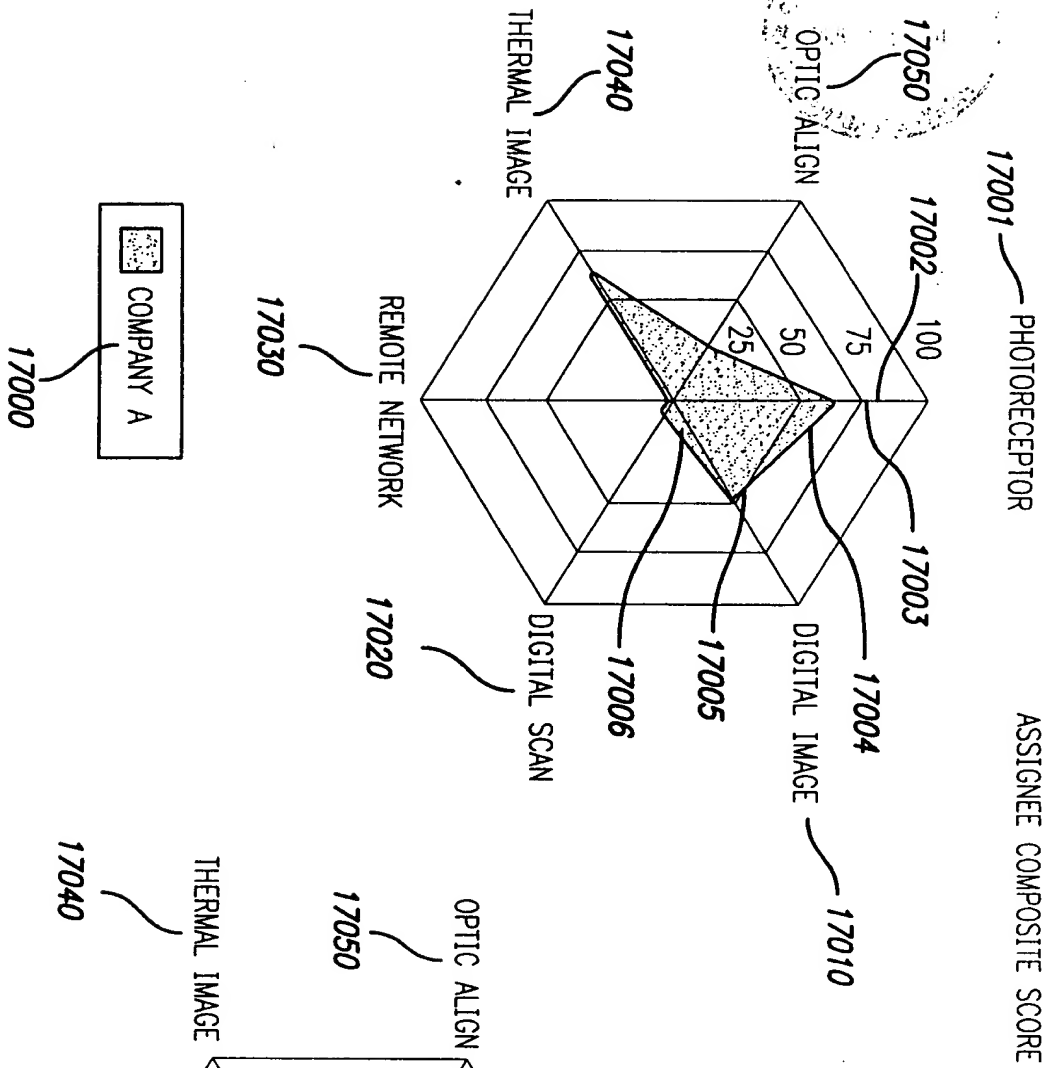


FIG. 17

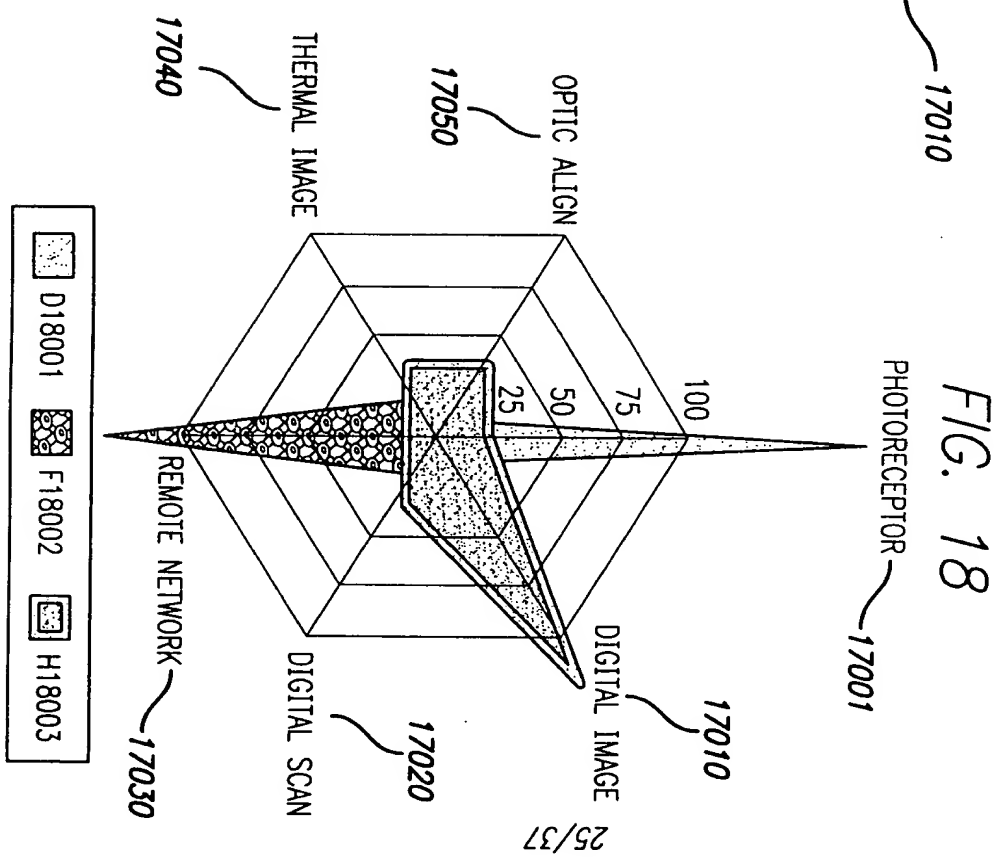


FIG. 18

ASSIGNEE COMPOSITE SCORE

FIG. 19

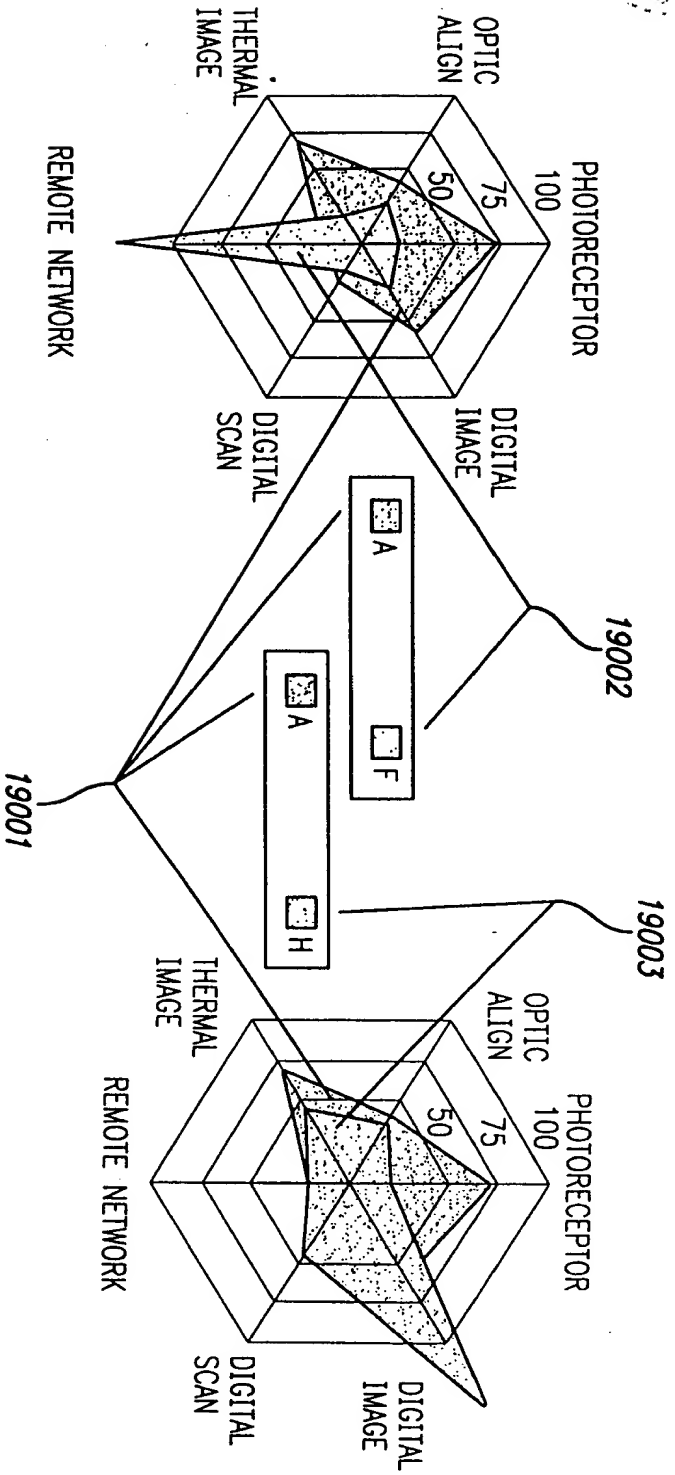


FIG. 20A

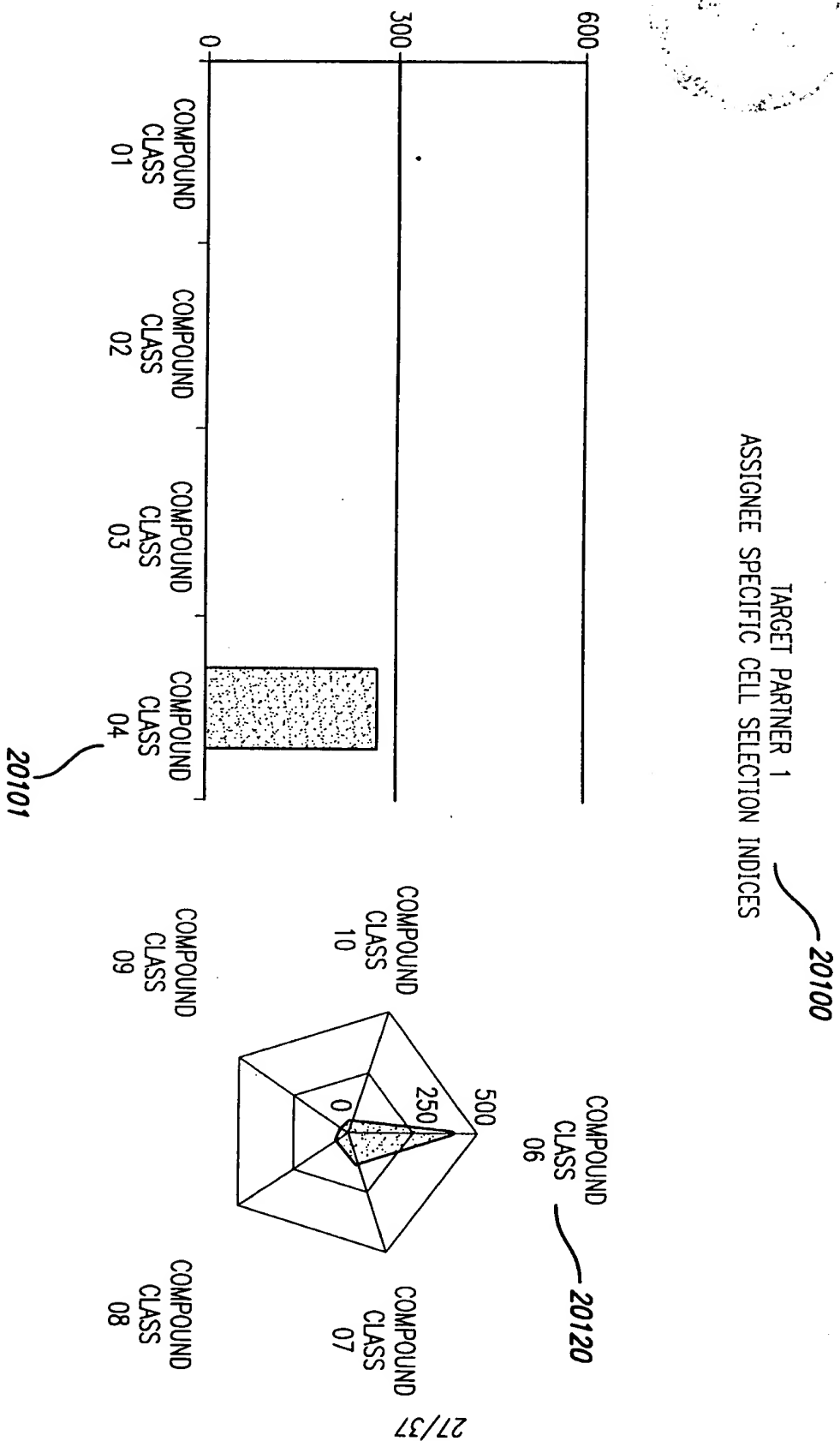


FIG. 20B

ALTERNATIVE PARTNER 2
ASSIGNEE SPECIFIC CELL SELECTION INDICES

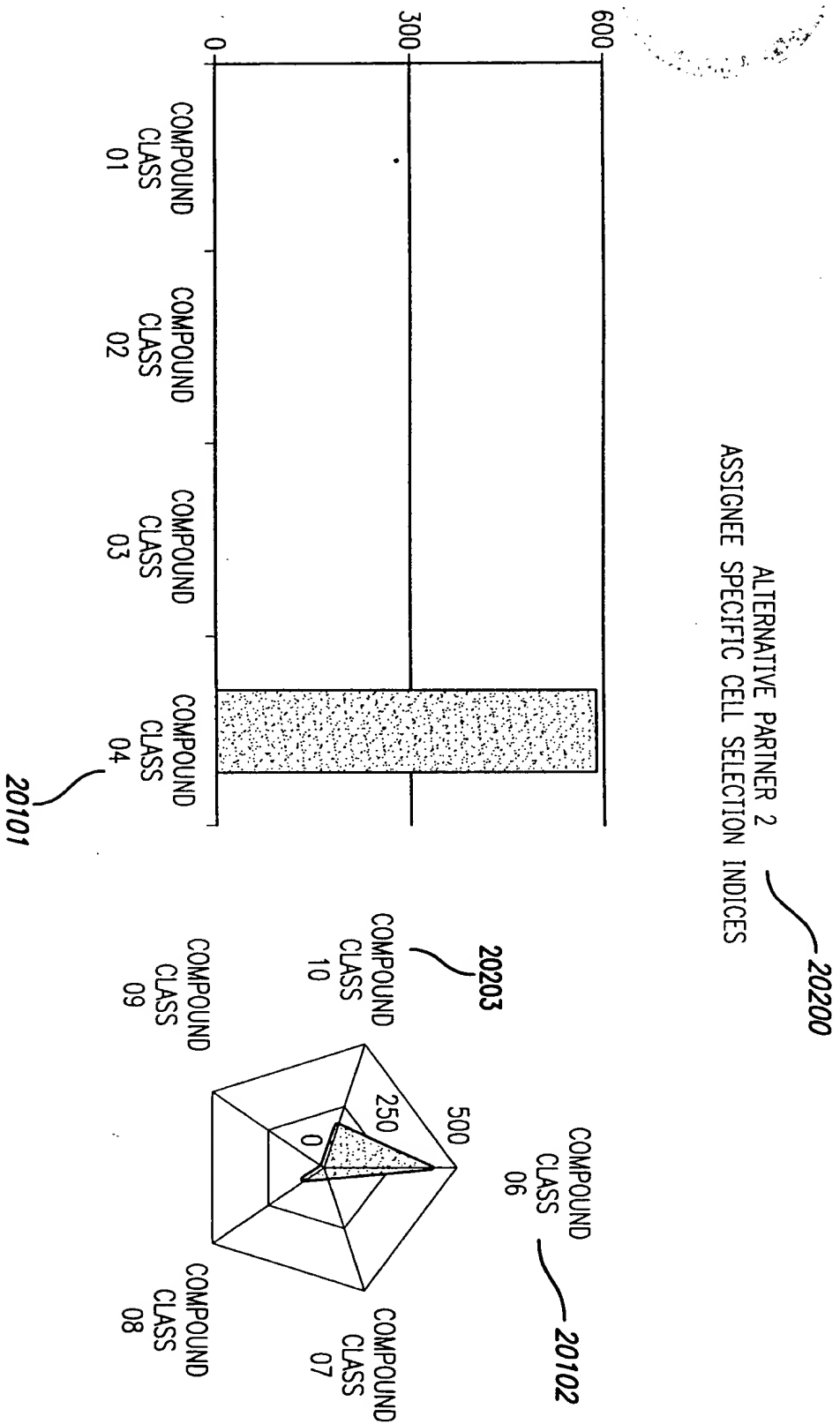


FIG. 20C

ALTERNATIVE PARTNER 2
ASSIGNEE SPECIFIC CELL SELECTION INDICES

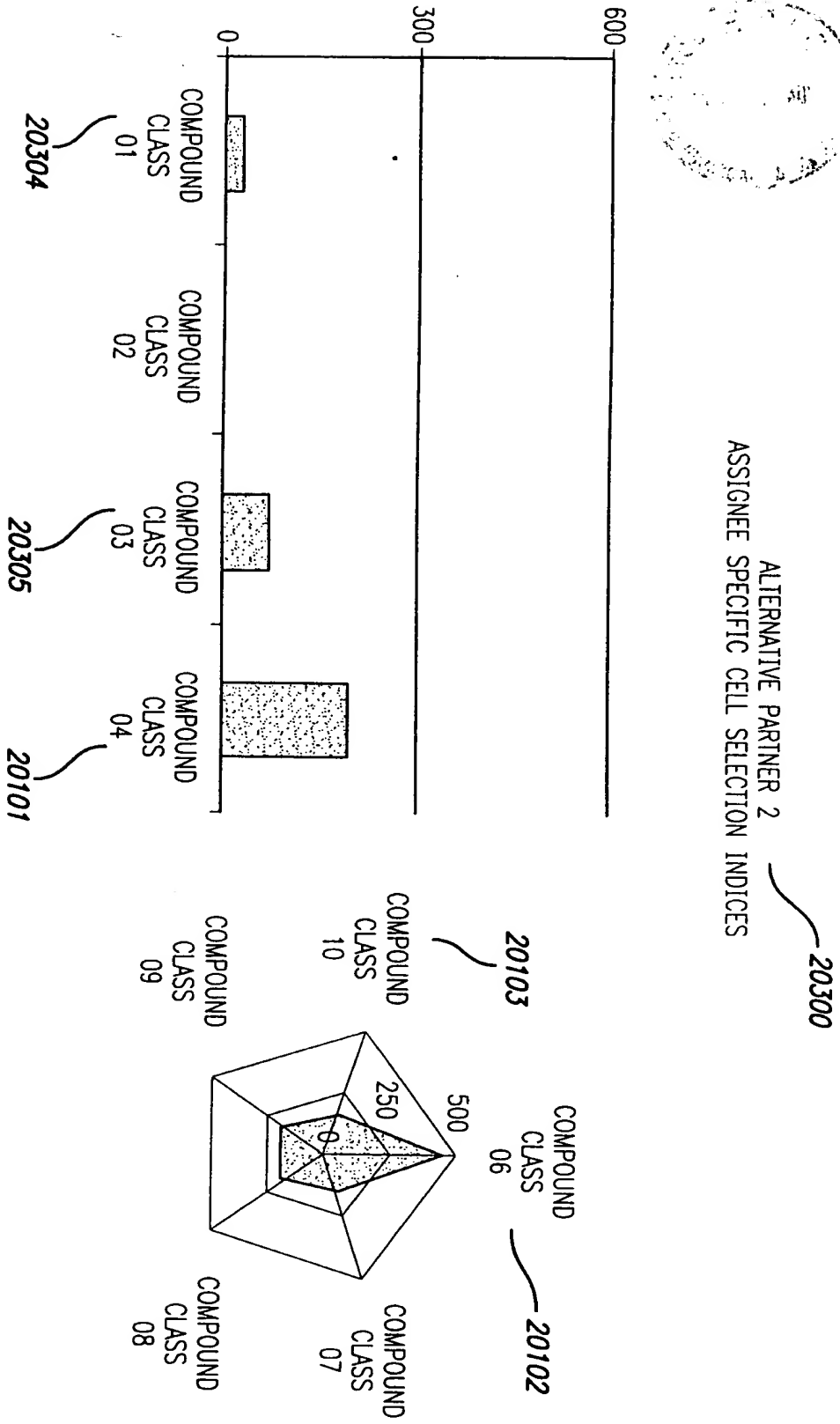


FIG. 21

ASSIGNEE FIELD INDEX VS. PATENT COUNT

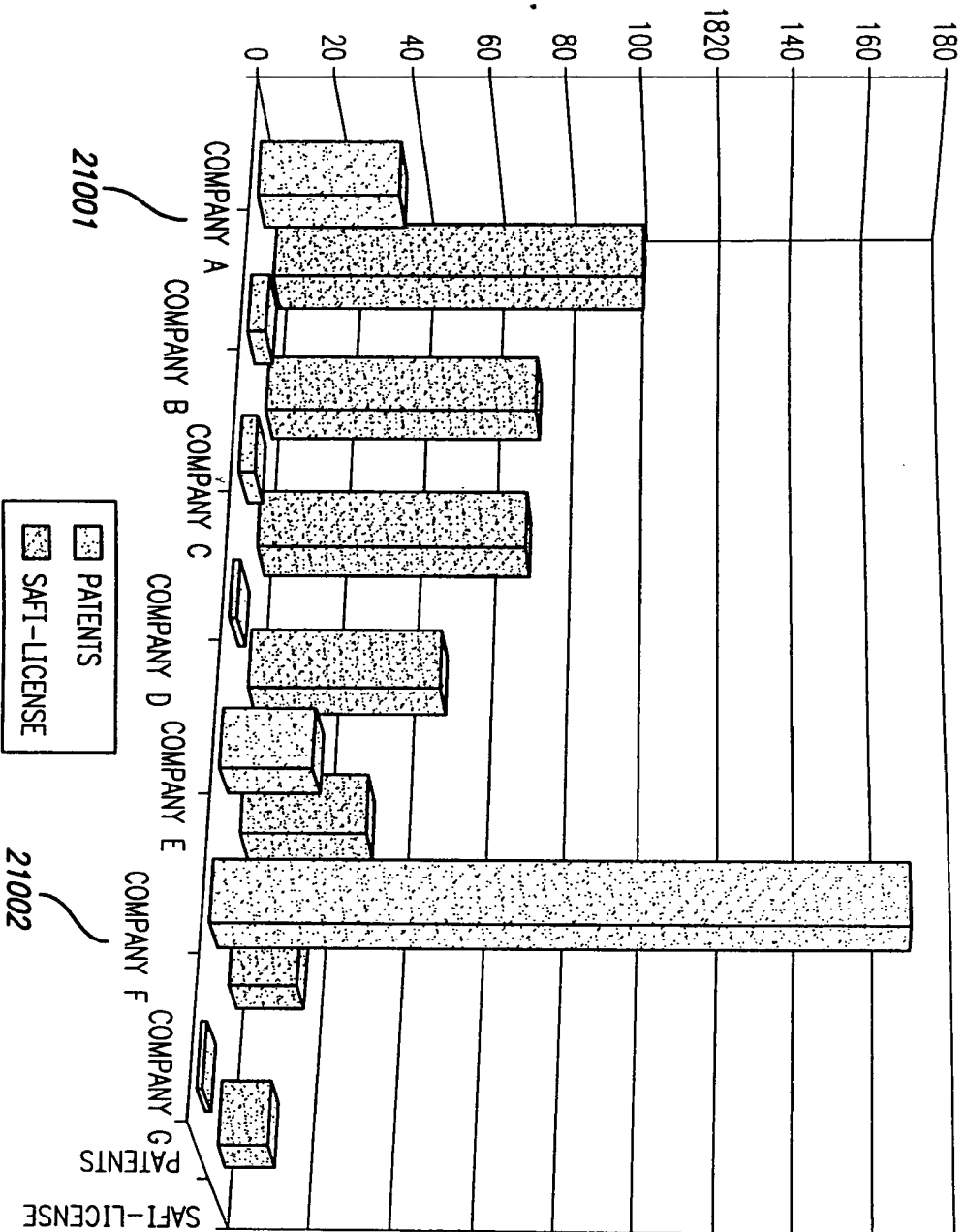
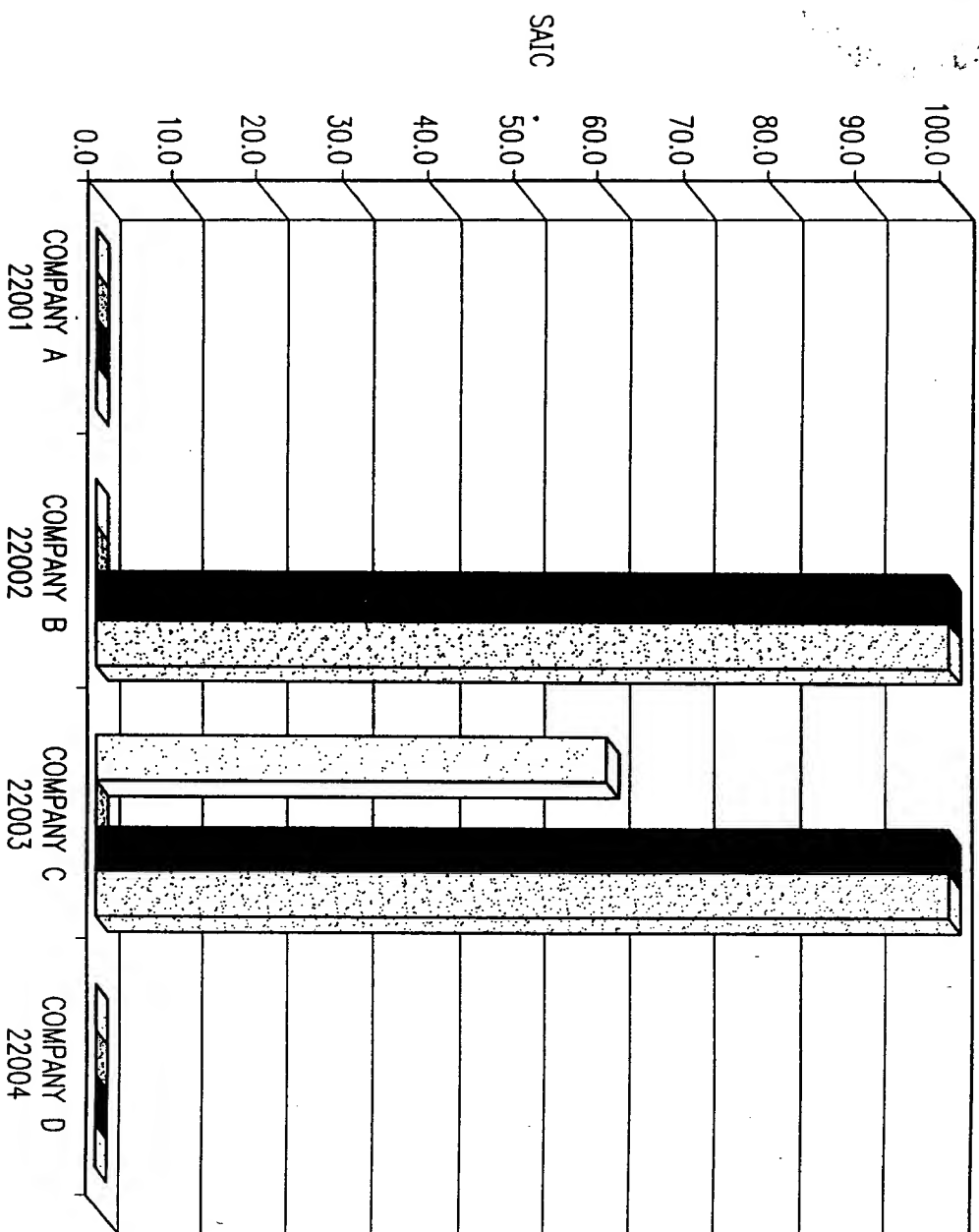


FIG. 22

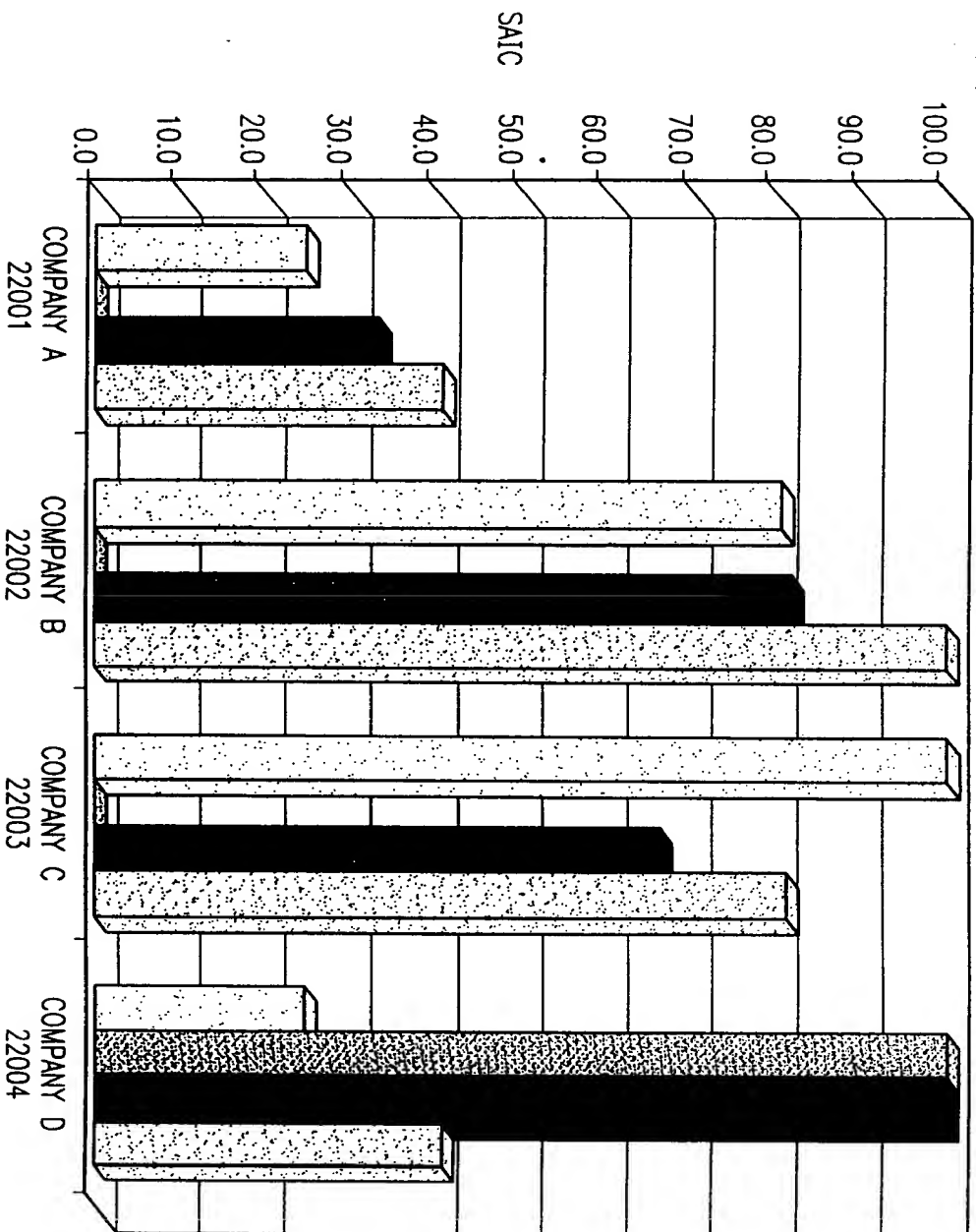
STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION B



- TECHNOLOGY 1.1
- TECHNOLOGY 2.1
- TECHNOLOGY 3.1
- TECHNOLOGY 4.1

FIG. 23

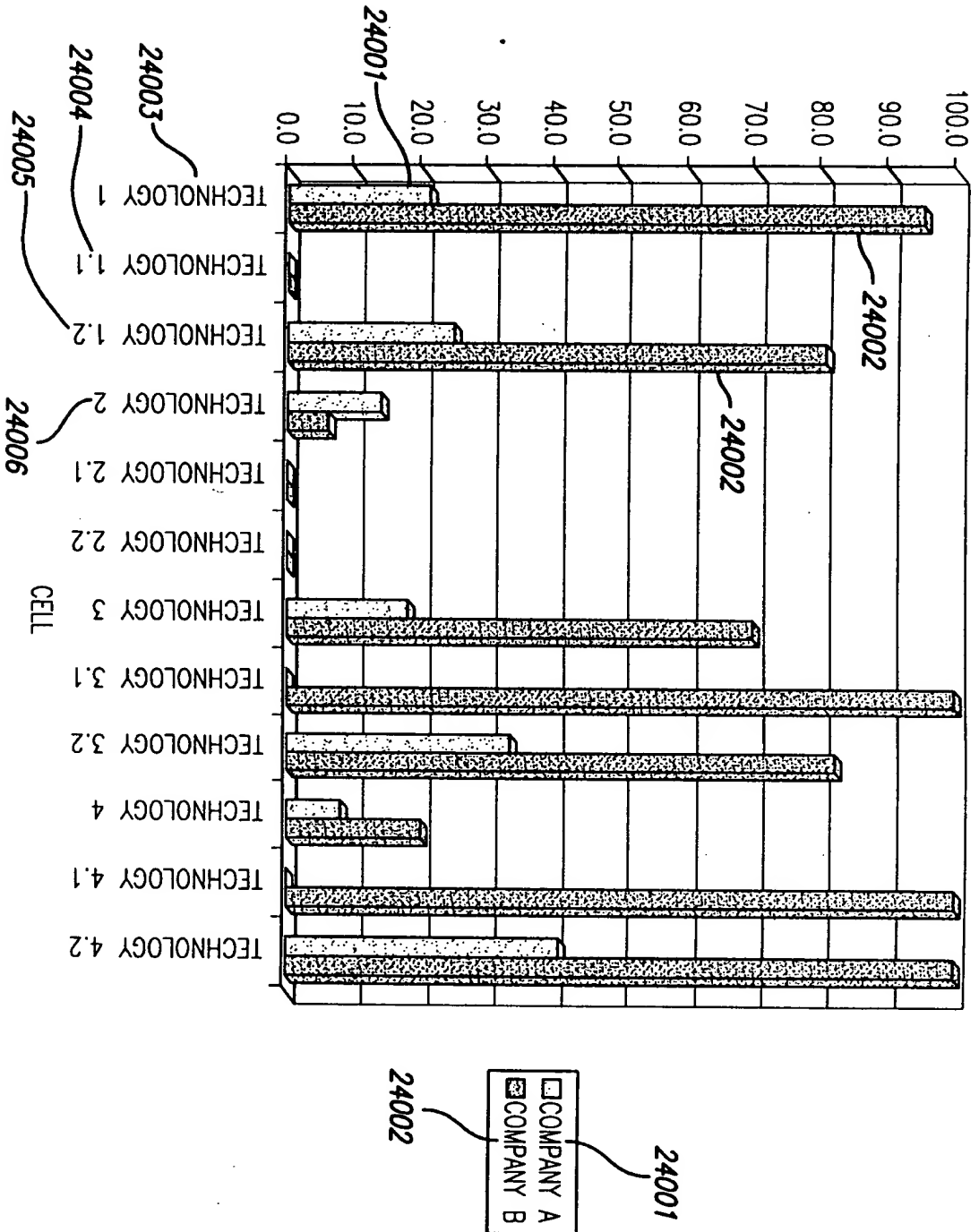
STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION C



- TECHNOLOGY 1.1
- TECHNOLOGY 2.1
- TECHNOLOGY 3.1
- TECHNOLOGY 4.1

FIG. 24

STANDARDIZED ASSIGNEE CELL INDEX: COMPANY A VS. COMPANY B



NATURALLY DEFINED CLUSTERS

CLUSTERS	COUNT OF CELLS	OCCURRENCES
C05,A05	2	18
C06,A06	2	18
A01,C01	2	16
A02,C02	2	14
A05,C05	2	14
A06,C06	2	14
B06,C06	2	10
C02,C05	2	10
C01,A01	2	8
C03,C05,C02	2	6
C02,C03	2	6
C05,C02	2	6
C06,B06	2	6
C04,A04,A06,C06	4	4
C06,A06,C05,A05	4	4

	01	02	03	04	05	06
	PHOTORECEPTOR	DIGITAL IMAGE	DIGITAL SCAN	WIRELESS NETWORK	THERMAL IMAGE	OPTIC ALIGN
A NEAR INFRARED						
B FAR INFRARED						
C INFRARED						

FIG. 25A

25001

FIG. 25B

C02,C03,C05
EASTMAN KODAK MINNESOTA MINING & MANUFACTURING TEXAS INSTRUMENTS UNITED STATES OF AMERICA HUGHES ELECTRONICS POLAROID RAYTHEON MATSUSHITA INDUSTRIAL ELECTRIC US PHILIPS HE HOLDINGS DBA HUGHES ELECTRONICS HONEYWELL AGFA-GEVAERT MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAIRNS & BROTHER NEC RAYTHEON II SYSTEMS

FIG. 26

TOP INVENTORS
EASTMAN KODAK

CLUSTERS	HITS	PATENTS	WEIGHTED HITS	WEIGHTED ACTIONS
CHAPMAN, DEREK D.	10	10	11	4
DEBOER, CHARLES D.	8	8	9	5
EVANS, STEVEN	6	6	6	3
BURBERRY, MITCHELL S.	3	3	4	3
SCHILDKRAUT, JAY S.	2	2	3	4
TUTT, LEE W.	2	2	3	3
MOMOT, DAVID	2	2	2	3
BUGNER, DOUGLAS E.	2	1	2	4
BYER, GARY W.	2	1	2	6
KOLB, JR., FREDERICK J.	2	1	2	2
VOGEL, RICHARD M.	2	1	2	1
HARVEY, DONALD M.	1	1	3	4
DE GROOT, GERALD H.	1	1	2	5
MCINTYRE, DALE F.	1	1	2	1
SIMPSON, WILLIAM H.	1	1	2	3
BLOOM, RICHARD M.	1	1	1	2

MTFA ALTITUDE

29001 ALL INFORMATION

STRATEGIC OR TACTICAL QUESTION

FIG. 29

